

Work Order ID 144243

144243

Page 1

April 08, 2016 1:23:39 PM

Item ID: DSI 9740-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Strut Addition

Start Date: 5/2/2016 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 5/24/2016 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: SH Date: 20160408 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*
Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9740	A

DAS
6
9-89

MCS 16-05-10

100 Document Control
DOCUMENT CONTROL

100

DC

Doc.Control -USB or Paperwork

Memo

0.00

Photocopy bluefile & type labels per PPP DSI9740-011 CHG001

DAS
27
9-89

JUN 17 2016

110 Pick Kit 0.00

110

Packaging

Packaging

Memo

0.00

DAS
28
9-89

MAY 08 2016

120 QC4- 100% Inspect kits for completeness 0.00

120

QC

Quality Control

Memo

0.00

DAS
27
9-89

JUN 17 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coor. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER : _____							

Picklist Print

April 08, 2016 1:23:39 PM

Page 1

Work Order ID: 144243

144243

Parent Item: DSI 9740-011

DSI 9740-011

Parent Item Name: Strut Addition

Start Date: 5/2/2016

Required Date: 5/24/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 16.02.02 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5393-041 *D5393-041* Strut Assembly		Manufactured	No				Each	0.0000	**	1			
D5394-041 *D5394-041* Bracket Assembly		Manufactured	No				Each	1.0000	**	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST164			1						
				143523			1						
D5395-1 *D5395-1* Bracket		Manufactured	No				Each	2.0000	**	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST164			2						
				141245			2						
AN3-11A *AN3-11A* Bolt		Purchased	No				Each	170.0000	**	1			
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST349			170						
				m134167			170						

JUN 17 2016
DAS 28 9-89

DAS 28 9-89

DAS 28 9-89

DAS 28 9-89

MAY 08 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 2

Work Order ID: 144243

144243

Parent Item: DSI 9740-011

DSI 9740-011

Parent Item Name: Strut Addition

Start Date: 5/2/2016

Required Date: 5/24/2016

Start Qty: 1.00

Required Qty: 1.00

AN4-6A

Purchased

No

Each

432.0000

1

AN4-6A

BOLT

DAS
27
9-89

Location

Loc Qty

Loc Code

ST345

432

M130851

39

M133790

393

MS21042L3

Purchased

No

Each

1,979.000

1

MS21042L3

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

100

m133790

100

GA

792

m133790

6

m134360

786

Return2016

1

M132382

1

ST304

1086

m134039

12

m134360

1074

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

DAS
28
9-89

MAY 08 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval				
Description Work Order Deviation				Disposition				Completed By			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
				OTHER : _____							

Picklist Print

April 08, 2016 1:23:39 PM

Page 3

Work Order ID: 144243

Parent Item: DSI 9740-011

Parent Item Name: Strut Addition

144243

DSI 9740-011

Start Date: 5/2/2016

Required Date: 5/24/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

2,326.000

1

MS21042L4

Locknut

DAS
8
3-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

37

m133363

37

GA

381

m133769

381

OVER007

1000

m134606

1000

ST303

811

m134055

9

m134502

802

ST305

97

m130922

97

DAS
27
9-89

DAS
8
3-89

DAS
28
9-89

NAS1149F0363P

Purchased

No

Each

394.0000

2

NAS1149F0363P

WASHER

Location

Loc Qty

Loc Code

ST262

394

124555

394

NAS1149F0463P

Purchased

No

Each

908.0000

2

NAS1149F0463P

Washer

Location

Loc Qty

Loc Code

ST262

900

m127832

900

st268

8

m130388

8

DAS
27
9-89

DAS
8
3-89

DAS
28
9-89

MAY 08 2016

April 08, 2016 1:23:39 PM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-701 REV. E AND INSTRUCTIONS FOR
CONTINUED AIRWORTHINESS ICA-D130-701 REV. 3 OR LATER APPROVED REVISION

REF. TCCA STC: SH94-14
REF. FAA STC: SR00213NY
REF. EASA STC: 10016996
REF. ANAC STC: 2007S03-03

1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions to add the D5393-041 strut assembly on the D130-701-043 Basket Installation at CHG 006 or earlier to reduce longitudinal oscillations. One DSI 9740-011 Strut kit must be applied to each Basket. The DSI 9740-011 Strut kit will be incorporated into D130-701-043 at CHG 007 and subsequent.

2.0 PROCEDURE

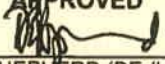
1. Enlarge the center hole on the D4039-041 Bracket to $\phi 0.257$ " per Figure 1. Touch up hole with Alodine 1200/1201 per MIL-C-5541 and prime per Aircraft Maintenance Manual.
2. Loosely install the D5395-1 Bracket and associated hardware on the fwd side of the D4039-041 Bracket as shown in Figure 1. Loosely install the D5394-041 Bracket on the Basket frame per Figure 2.
3. Install the D5393-041 Strut Assembly onto the D5395-1 Bracket and D5394-041 Bracket with 2x MS17984-C405 pip pins. Adjust the AN665-34R clevises as required.
4. Remove one of the MS17984-C405 pip pins and turn the AN665-34C clevis one half turn shorter so the rod is in tension. Reinstall the strut assembly and tighten the NAS509-2C Jam Nut. Torque the AN4-6A bolt and AN3-11A bolt per Table 1.
5. Secure the NAS509-4C jam nuts using lock wire per AC 43.13 or MS33540. After adjustment, use lockwire in the hole of the AN665-34R clevises to check for proper engagement of threads. It is acceptable to flip MS17984-C405 Quick Release Pin orientation to facilitate D5393-041 Strut Assembly installation.
6. Update aircraft logbook to indicate installation of the DSI 9740-011 Strut kit and adjust aircraft weight and balance record with weight and balance data provided in Section 4.0 of this document.

TABLE 1 - TORQUE VALUES

FASTENER TYPE	TORQUE (IN-LB)
#10	20-25
1/4"	50-70

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.01.26
CERT. NO.: SH94-14
ISSUE NO.: 7

A	NEW ISSUE	VS	16.01.26
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 1 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		STRUT ADDITION	NTS
DATE	16.01.26	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

20160408
144243
SA

3.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9740-011	STRUT KIT
1	D5393-041	STRUT ASSEMBLY
1	D5394-041	BRACKET
1	D5395-1	BRACKET
1	AN3-11A	BOLT
1	AN4-6A	BOLT
1	MS21042L3	NUT
1	MS21042L4	NUT
2	NAS1149F0363P	WASHER
2	NAS1149F0463	WASHER

4.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9740-011 Strut Kit (LH)	0.90 lb 0.41 kg	- 37.6 in - 0.96 m	- 33.8 in-lb - 0.39 m-kG	110.6 in 2.8 m	99.5 in-lb 1.15 m-kG
DSI 9740-011 Strut Kit (RH)	0.90 lb 0.41 kg	37.6 in 0.96 m	33.8 in-lb 0.39 m-kG	110.6 in 2.8 m	99.5 in-lb 1.15 m-kG

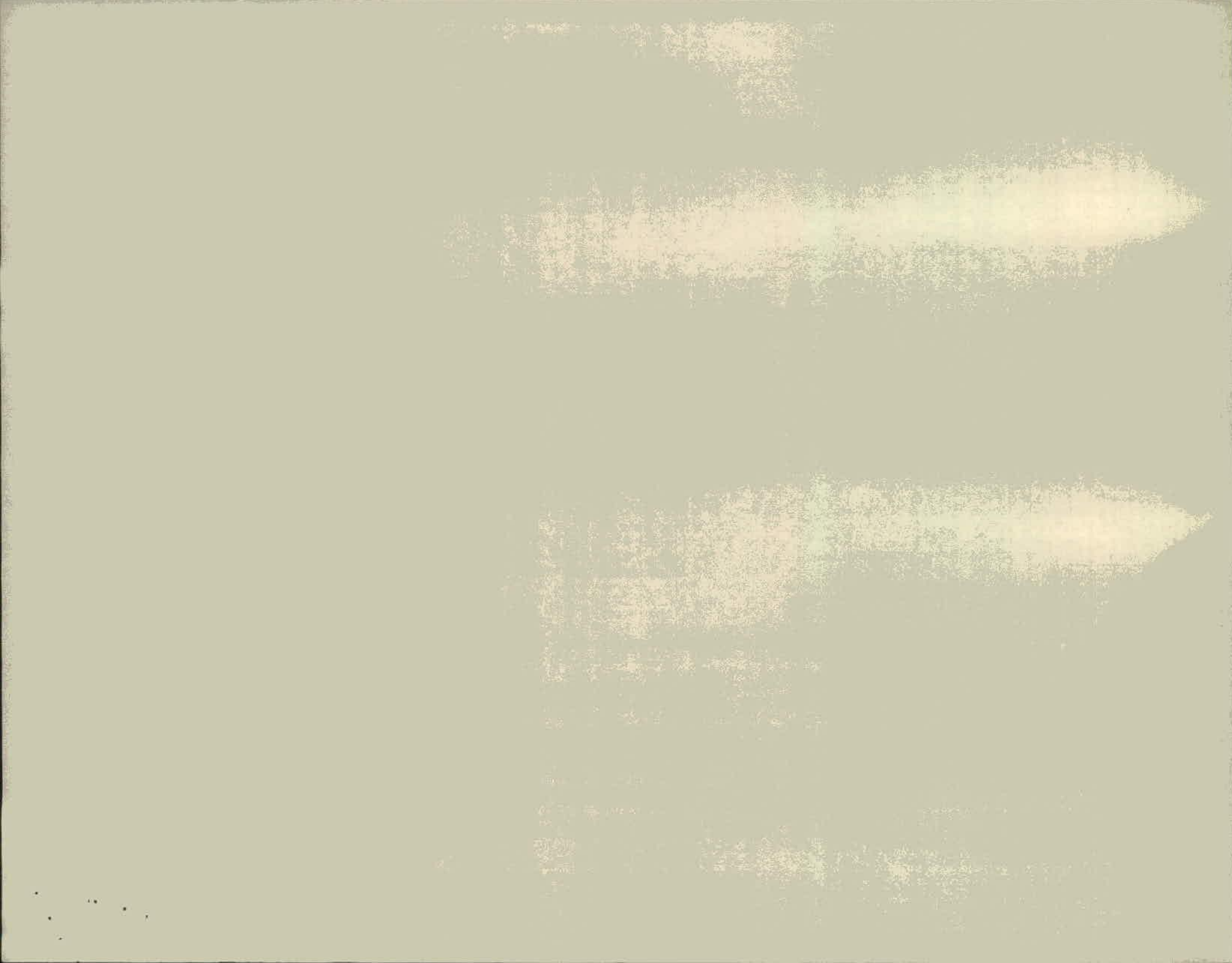
CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.01.26
CERT. NO.: SH94-14
ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 2 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		STRUT ADDITION	NTS
DATE	16.01.26	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



ENLARGE HOLE TO $\varnothing 0.257"$
 INSTALL D5395-1 BRACKET USING:
 1X AN4-6A BOLT
 2X NAS1149F0463P WASHER
 1X MS21042L4 NUT

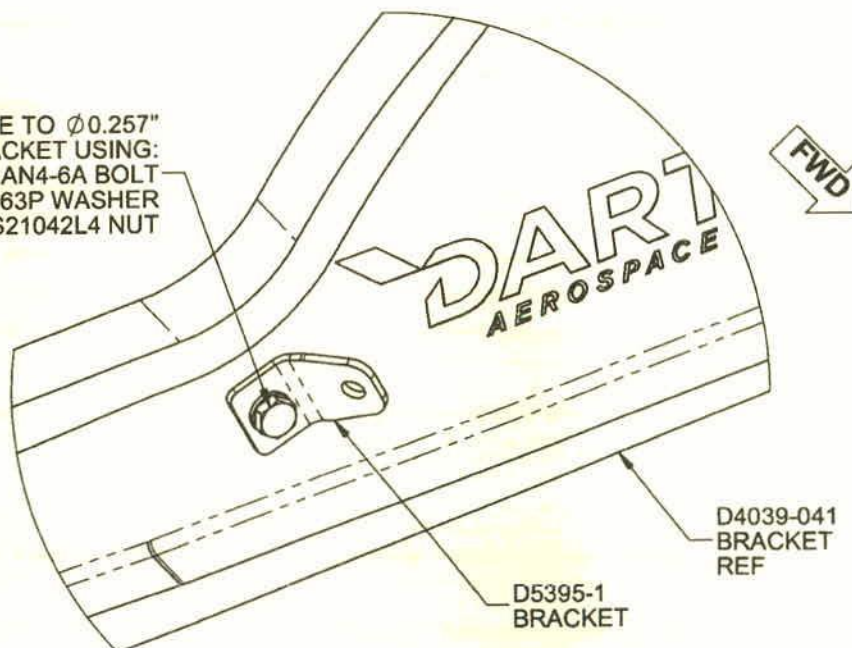
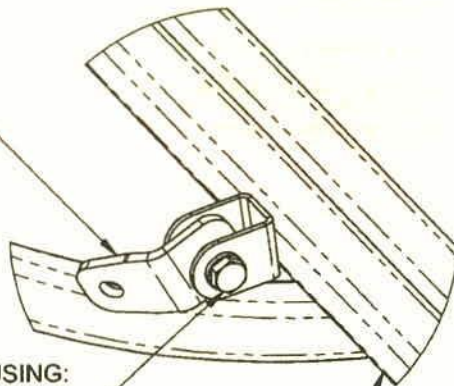


FIGURE 1: D5395-1 BRACKET INSTALLATION
 (LH INSTALL SHOWN, RH OPPOSITE)

D5394-041
 BRACKET



INSTALL D5394-041 BRACKET USING:
 1X AN3-11A BOLT
 2X NAS1149F0363P WASHER
 1X MS21042L3 NUT

D3172-041
 BASKET BASE ASSEMBLY
 REF

FIGURE 2: D5394-041 BRACKET INSTALLATION
 (LH INSTALL SHOWN, RH OPPOSITE)

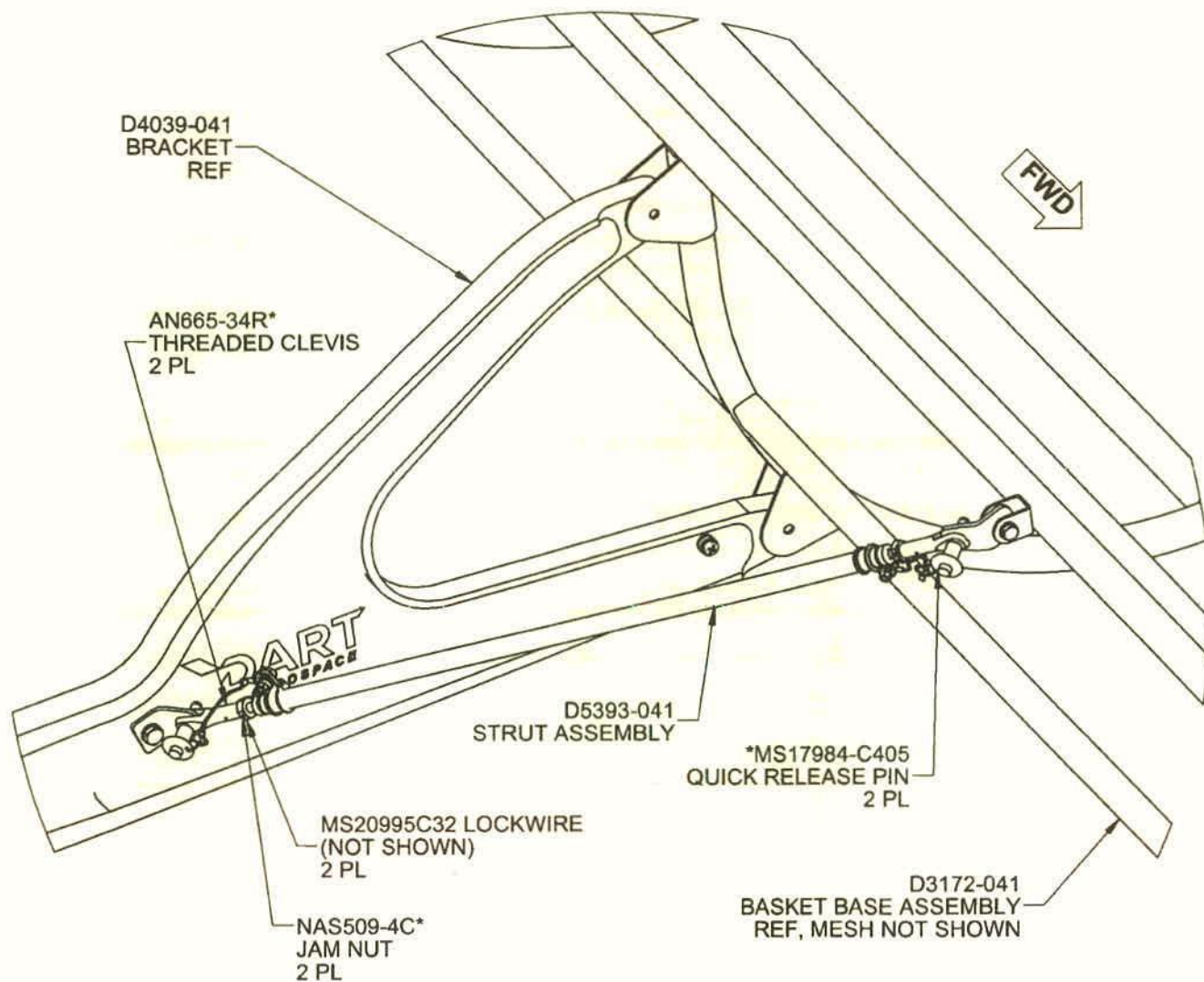
CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01

APPROVED

BY: *[Signature]*
 D. SHEPHERD (DE # 02)

DATE: 16.01.26
 CERT. NO.: SH94-14
 ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 3 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	STRUT ADDITION	NTS
DATE	16.01.26	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



*PART OF D5393-041 STRUT ASSEMBLY

FIGURE 2: D5393-041 STRUT INSTALLATION
(LH INSTALL SHOWN, RH OPPOSITE)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 16.01.26
CERT. NO.: SH94-14
ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 4 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	STRUT ADDITION	NTS
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REFERENCE ONLY

3.0 PARTS LIST

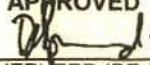
QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9740-011	STRUT KIT
1	D5393-041	STRUT ASSEMBLY
1	D5394-041	BRACKET
1	D5395-1	BRACKET
1	AN3-11A	BOLT
1	AN4-6A	BOLT
1	MS21042L3	NUT
1	MS21042L4	NUT
2	NAS1149F0363P	WASHER
2	NAS1149F0463	WASHER

4.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9740-011 Strut Kit (LH)	0.90 lb 0.41 kg	- 37.6 in - 0.96 m	- 33.8 in-lb - 0.39 m-kG	110.6 in 2.8 m	99.5 in-lb 1.15 m-kG
DSI 9740-011 Strut Kit (RH)	0.90 lb 0.41 kg	37.6 in 0.96 m	33.8 in-lb 0.39 m-kG	110.6 in 2.8 m	99.5 in-lb 1.15 m-kG

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.01.26
CERT. NO.: SH94-14
ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 2 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		STRUT ADDITION	NTS
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